

VEKSLER, B.A.; ABRAGAM, D.R.

Producing starch from wheat. Sakh.prom. 33 no.6:49-53 Je '59.
(MIRA 12:8)

1. TSentral'nyy nauchno-issledovatel'skiy institut krakmal'no-
patochnoy promyshlennosti.
(Starch) (Wheat)

ABRAGAM, D.R.

Combining the manufacture of grain starch with the manufacture of
alcohol. Sakh.prom. 36 no.5:60-63 My '62. (MIRA 15:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut krakhsyalopatochnoy
promyshlennosti.

(Starch industry) (Alcohols)

ABRAGAM, D.

Scientific and technical conference on the new equipment and
technology in the manufacture of starch and starch products
from potatoes. Sakh.prom. 36 no.9:71-73 S '62. (MIRA 16:11)

ABRAGAM, D. R.

Surface active saccharose esters (from "Zeitschrift fur die
Zuckerindustrie," no.8, 1961). Sakh. prom. 36 no.10:72-74
0 '62. (MIRA 15:10)

(Sucrose) (Surface active agents)

ABRAGAM, D.R.

Method for determining the content of dry substances in wheat
extract. Trudy TSNIKPP no.5:47-60 '63. (MIRA 16:7)

(Starch--Analysis) (Refractometry)

ABRAGAM, D.R.

Preparation of raw materials for the production of wheat
starch. Trudy TSNIKPP no.6:5-12 '63. (MIRA 16:12)

ABRAHAM, G.N.

CAND TECH SCI

Dissertation: "Film-Forming Water Insoluble Materials from Albumins and Products of their Decomposition."

25 October 49

Moscow Technological Inst of Light Industry imeni L.M. Kaganovich.

SO Vecheryaya Moskva
Sum 71

ABRAGAM, K.A. (Gor'kiy, ul. Gor'kogo, d.150, kv.2)

Role of colpomicroscopy in the diagnosis of cancer and precancerous state of the cervix. Vop.onk. 5 no.6:716-722 '59. (MIRA 12:12)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. G.K. Cherepakbin) Gor'kovskogo meditsinskogo instituta im. S.M. Kirova (dir. - prof. N.N. Mizinov).

(CERVIX NEOPLASMS, diag.
colpomicroscopy in diag. of cancer & precancerous
state (Rus))

ABRAGAM, K. A.

Cand Med Sci - (diss) "Problem of the diagnostics of cancer and pre-cancerous state of the neck of the uterus by the colpomicroscopic method." Gor'kiy, 1961. 14 pp; (Gor'kiy State Med Inst imeni S. M. Kirov); 300 copies; price not given; (KL, 6-61 sup, 236)

ABRAGAM, K.A., klinicheskiy ordinator

Diagnosis of cancer and precancerous conditions of the cervix
uteri by the colpomicroscopy method. Uch. zap. QMI no. 8:46-50
'59. (MIRA 14:9)

1. Iz kafedry akusherstva i ginekologii (zav. kafedroy - prof.

S.S. Dobrotin.

(UTERUS—CANCER)

(MICROSCOPY, MEDICAL)

ABRAGAM, K.A., kand. med. nauk

Combination of cancer of the cervix uteri with extrauterine pregnancy and paraovarian cyst. Akush. i gin. 39 no.4:127
Jl-Ag'63 (MIRA 16:12)

1. Iz onkologicheskogo otdeleniya (zav. S.I.Shukhman) 2-oy Oblastnoy bol'nitsy imeni M.F.Vladimirovskogo (glavnyy vrach Ye.I.Mal'tsev), Arzamas Gor'kovskoy oblasti.

ABRAGAM, S., inzhener; SHTEYN, I., inzhener.
~~С.А.АБРАГАМ, И.ШТЕЙН~~

Innovators in railroad engineering. Stroitel' no.12:
5-7 D '56.

(MIRA 10:2)

(Railroad engineering) (Bridges--Construction)

ABRAGAM, S., inzhener.

Save two hundred thousand rubles. Stroitel' no.5:18-19 My '57.
(Earthmoving machinery) (MLRA 10:6)

11 157 11 11 11, 11
ABRAGAM, S., inzhener.

"Silicalite." Stroitel' no.6:15-19 Jo '57.
(Tallin--Building blocks)

(MLHA 10:9)

ABRAGAM, S., inzhener.

Scaffold designed by IA. Aitov. Stroitel' no.8:21-22 Ag '57.
(MIRA 10:9)

(Scaffolding)

17011-10771-5
ABRAGAM, S., inzh.

New method of steaming. Stroitel' no.12:14 D '57.
(Autoclaves) (Reinforced concrete)

(MIRA 11:2)

ABRAGAM, S., inzh.

Mobile crushing and grading plant. Stroitel' no.7:19 J1 '58.
(MIRA 11:9)

(Crushing machinery)

ABRAGAN, S.R., inzh.

Gas heating unit used for heating and drying rooms. Transp. stroi.
no.11:31-32 N '58. (MIRA 12:1)
(Hot-air heating)

ABRAGAM, S., inzh.

Elevator for digging foundation holes. Stroitel' no.9:19
'58. (MIRA 13:3)

(Excavating machinery)

SHEPELEV, Vasil'y Nikolayevich; OBUKHOV, Aleksandr Vasil'yevich; BRESTOV, Ye.I., inzh., retsenzent; ABRAGAM, S.R., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Welding and building-up of rails and railroad frogs] Svarka i naplavka rel'sov i krestovin. Moskva, Gos.transp.shel-dor. izd-vo, 1959. 179 p. (MIRA 13:2)

(Railroads--Rails--Welding)

(Railroads--Maintenance and repair)

25(2)

SOV/100-59-5-9/14

AUTHOR: Abragam, S.R., Engineer

TITLE: Mobile Crushing and Sorting Installation PDSU-75

PERIODICAL: Mekhanizatsiya stroitel'stva, 1959, Nr 5, pp 25-26 (USSR)

ABSTRACT: One of the plants of the USSR Ministry of RR Transport produces in series a mobile crushing and sorting group PDSU-75 which has an annual production capacity of 75 thousand cu m of crushed stone; a plate type feeder delivers the rock from the 5 cu m bunker into the feed hopper type SM-97 of the jaw crusher, type SM-11B with an opening of 400x600mm. The crushed stone falls on a screen which lets stone under 70 mm size pass, the rest is diverted to a crusher, type SM-166A with an opening of 250x900 mm, from which it returns to the same screen; the crushed stone then passes on to a vibrating sorting machine, type SM-13, which divides the material in three fractions, viz. up to 25 mm, 25-40 mm and 40-70 mm. A conveyor

Card 1/2

. Mobile Crushing and Sorting Installation PDSU-75

SGT/100-59-5-9/14

system permits to stack the crushed material according to size, which system allows the installation to operate for 10-15 days without stopping. The installation can be driven by electric power from a mobile 100 kw Diesel generator U-12 or from any other power source. The entire process is fully mechanized.
There are: 1 photo, 2 diagrams.

Card 2/2

ABRAGAM, S.R., inzh.

Using gas for heating and drying rooms. Mekh.stroi. 16 no.2:26.
27 F '59. (MIRA 12:2)

(Drying apparatus)

(Propane)

KARASIK, M.Ye., inzh.; KRONFEL'D, B.D., inzh.; KONOPLEV, V.G., inzh.; KRYZHANOVSKIY, V.M., inzh.; ABRAGAM, S.R., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Organization of construction works during the electrification of railroads; experience of the construction organizations of the Ministry of Construction for Transportation] Organizatsiia stroitel'nykh rabot pri elektrifikatsii zheleznykh dorog; opyt stroitel'nykh organizatsii Mintransstroia. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshchenia, 1960. 65 p. (MIRA 14:7)
(Railroads--Electrification) (Railroad engineering)

BARSEGYAN, Vachagyan Arshakovich, inzh.; BEL'KIND, Mikhail Borisovich,
inzh.; ABRAGAM, S.R., inzh., red.; USENKO, L.A., tekhn. red.

[Machinery for digging foundation holes for overhead contact-
system poles] Mashiny dlia razrabotki kotlovanov pod opory kon-
taktnoi seti. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va
putei soobshcheniia, 1961. 87 p. (MIRA 15:1)
(Electric railroads--Construction) (Excavating machinery)

GULENKO, Nikolay Nikolayevich; GORA, Viktor Yepifanovich; ALESHIN, V.A.,
kand. tekhn. nauk, retsenzent; CHLENOV, M.T., kand. tekhn. nauk,
retsenzent; KHABAROV, V.P., inzh., retsenzent; ABRAGAM, S.R., inzh.,
red.; BOBROVA, Ye.N., tekhn. red.

[Track machinery and mechanisms] Putevye mashiny i mekhanizmy. Mo-
skva, Vses. izdatel'sko-poligr. ob"edinenie M-va puti soobshchenia,
1961. 319 p. (MIRA 14:8)
(Railroads--Equipment and supplies) (Railroads--Track)

ABRAGAM, S.R., inzh.

Construction of the first railroad lines in Russia. Transp.
stroi. 11 no.1:56--57, 59 Ja '61. (MIRA 14:1)
(Railroads--Construction)

SMORODINSKIY, Isaak Mendele'yevich; ABRAGAM, S.R., inzh., red.;
USENKO, L.A., tekhn.red.

[Cranes on tractors and motortrucks for railroad construction]
Kran'y na traktorakh i avtomobiliakh dlia transportnogo stroi-
tel'stva. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei
soobshcheniia, 1962. 79 p. (MIRA 15:4)
(Cranes, derricks, etc.)
(Railroads—Construction)

ALEKSEYEV, Aleksey Pavlovich, kand. tekhn. nauk; DISSON, Pavel
Solomonovich, inzh.; SESSAREVSKIY, Aleksandr Nikolayevich,
inzh.; SOL'YANINOV, Aleksandr Andreyevich, kand. tekhn.
nauk; SHUFYGIN, Vladimir Pavlovich, kand. tekhn. nauk;
SHADRIN, N.A., prof., retsenzent; GOL'SHUKH, V.V., inzh.;
ABRAGAM, S.R., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Construction operations in railroad electrification] Stroitel'-
nye raboty pri elektrifikatsii zheleznnykh dorog. [By] A.P.
Aleksseev i dr. Moskva, Transzheldorizdat, 1962. 287 p.
(MIRA 15:12)

(Railroads--Electrification)
(Railroads--Buildings and structures)

ALEKSEYEV, Aleksey Pavlovich, kand. tekhn. nauk; DISSON, Pavel Solomonovich, inzh.; SESSAREVSKIY, Aleksandr Nikolayevich, inzh.; SMOL'YANINOV, Aleksandr Andreyevich, kand. tekhn. nauk; SHURYGIN, Vladimir Pavlovich, kand. tekhn. nauk; SHADRIN, N.A., prof., retsenzent; GOL'SHUKH, V.V., inzh., retsenzent; ABRAGAM, S., inzh., red.; BOBKOVA, B.N., tekhn. red.

[Construction work in railroad electrification] Stroitel'nye raboty pri elektrifikatsii zheleznykh dorog. Utverzhdeno Glavnym upravleniem uchebnymi zavedeniyami MPS v kachestve uchebnogo posobiya dlia vysshikh uchebnykh zavedenii zheleznodorozhnogo transporta. [By] A.P. Alekseev i dr. Moskva, Transzheldorizdat, 1962. 287 p. (MIRA 16:2)

(Railroads--Electrification)

ABRAGAM, S.R., inzh.

New assembly equipment with a hinged boom. Mekh. stroi.
19 no.10:12-14 0 '62. (MIRA 15:12)
(Hoisting machinery)

ASHKO, S.M.; VEKSIER, V.M.; KLAUZ, P.L.; SOKOLOV, K.A.; IGNATOVICH,
A.M., prof., retsenzent; SMIRNOV, V.S., kand. tekhn. nauk,
retsenzent; KRIVICH, F.S., inzh., retsenzent; ABRAGAM, S.R.,
inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

[Operation of road, construction, and loading and unloading
machines] Eksploataatsiia putevykh, stroitel'nykh i pogruzochno-
razguzochnykh mashin. [By] S.M.Ashko.i dr. Moskva, Trans-
zheldorizdat, 1963. 302 p. (MIRA 16:10)
(Construction equipment)

CERNAVSKIY, V.P.; KIRAKOSYAN, G.P.; HEL'KIND, M.B., inzh.,
retsenzent; ABRAGAM, S.R., inzh., red.; VOROB'YEVA, L.V.,
tekhn. red.

[Machinery for compacting embankments] Mashiny dlia uplot-
neniia nasypei. Moskva, Transport, 1964. 94 p.
(MIRA 17:3)

ABRAGAM, S.R., inzh.

International exhibition of construction equipment. Transp. stroi.
14 no.11:35-37 N '64. (MIRA 18:3)

1. Spetsial'nyy korrespondent zhurnala "Transportnoye stroitel'stvo".

MURAV'YEV, Ivan Vladimirovich; OGAR', Yuriy Sergeyevich;
PAL'CHUN, Petr Savel'yevich; ABRAM, S.R., inzh., red.

[Machinery and tools for track maintenance and repair] Pu-
tevye mekhanizmy i instrument. Moskva, Transport, 1964.
311 p. (MIRA 18:9)

Abag. A.
AUTHOR: Abragin, A.

92-2-34/37

TITLE: Physical Exercise for Oil Workers on the Job (Proizvodstvennaya gimnastika u neftyanikov)

PERIODICAL: Neftyanik, 1958, Nr 2, p 35 (USSR)

ABSTRACT: Properly organized physical training of workers is highly desirable because it is healthful and it increases the efficiency of their work. Daily exercise strengthens the body of the worker and reduces the chances of injury during the performance of his duties. Several hundreds of workmen and employees of the Plant imeni Leytenant Shmidt participate in exercises supervised by Dubrovskiy. Over 350 workers of the Turkmenneftestroy trust are being trained by Kashin and 700 people attend the course of physical training in Ishimbayevo (Bashkir SSR). However, many workers do not realize the importance of physical exercise and believe that walking to and from their place of work can substitute for physical training which they think good only for young people. They are wrong because physical exercise regulates the function of the heart, breathing organs, etc. There is no doubt that physical exercise is very helpful for all workers.

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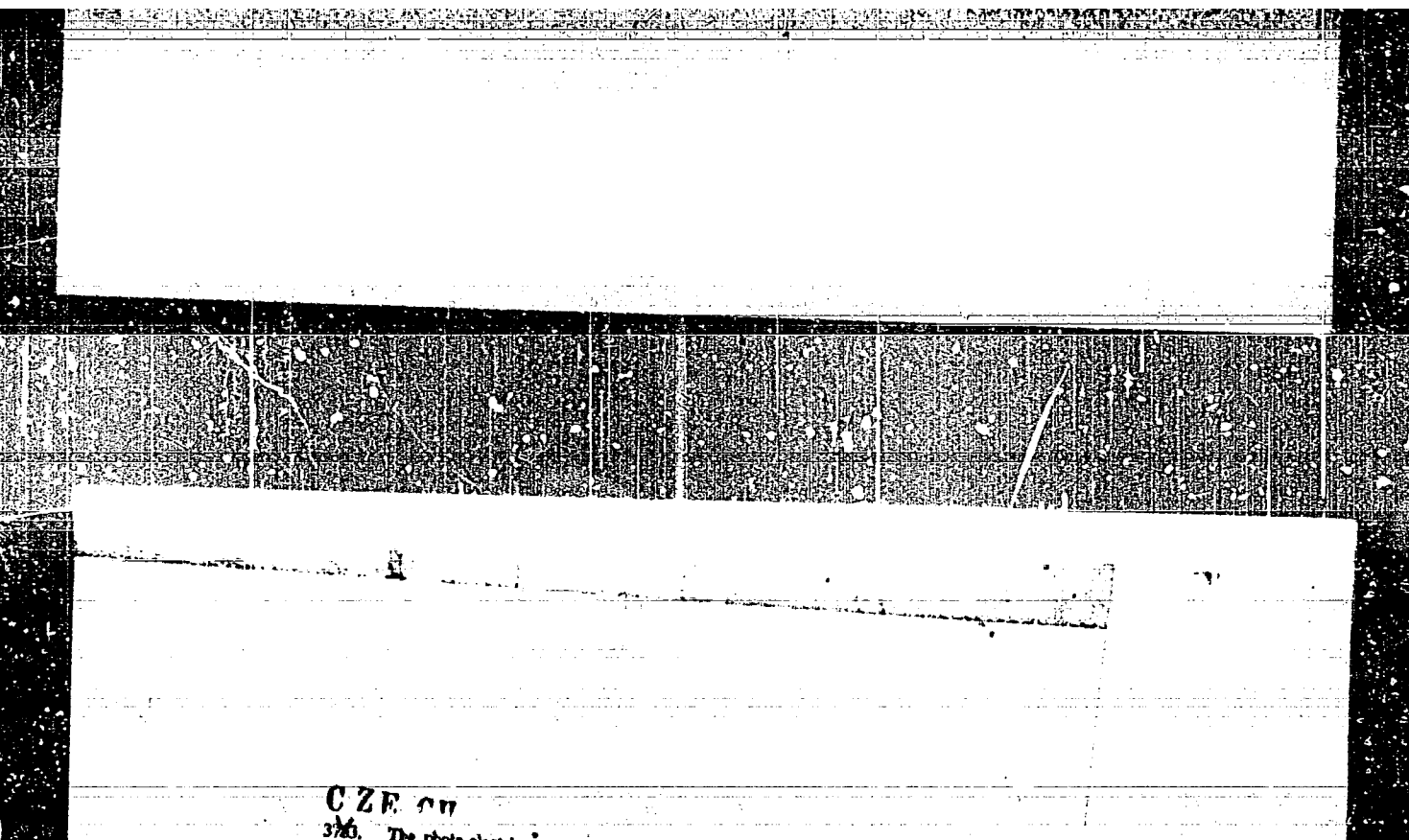
5639. A method for the precise measurement of thermal e.m.f. of samples with great thermal conductivity. J. TAUC, J. BENJAMIN and A. ABRAHAM. Letter in Czech. J. Phys., 3, No. 4, 514-15 (1959) in Russian.

Describes an apparatus in which the two ends of a specimen of the material under investigation (semiconductors are suggested) can be kept at precise and known temperatures. No experimental results.

J. M. HOUGH.

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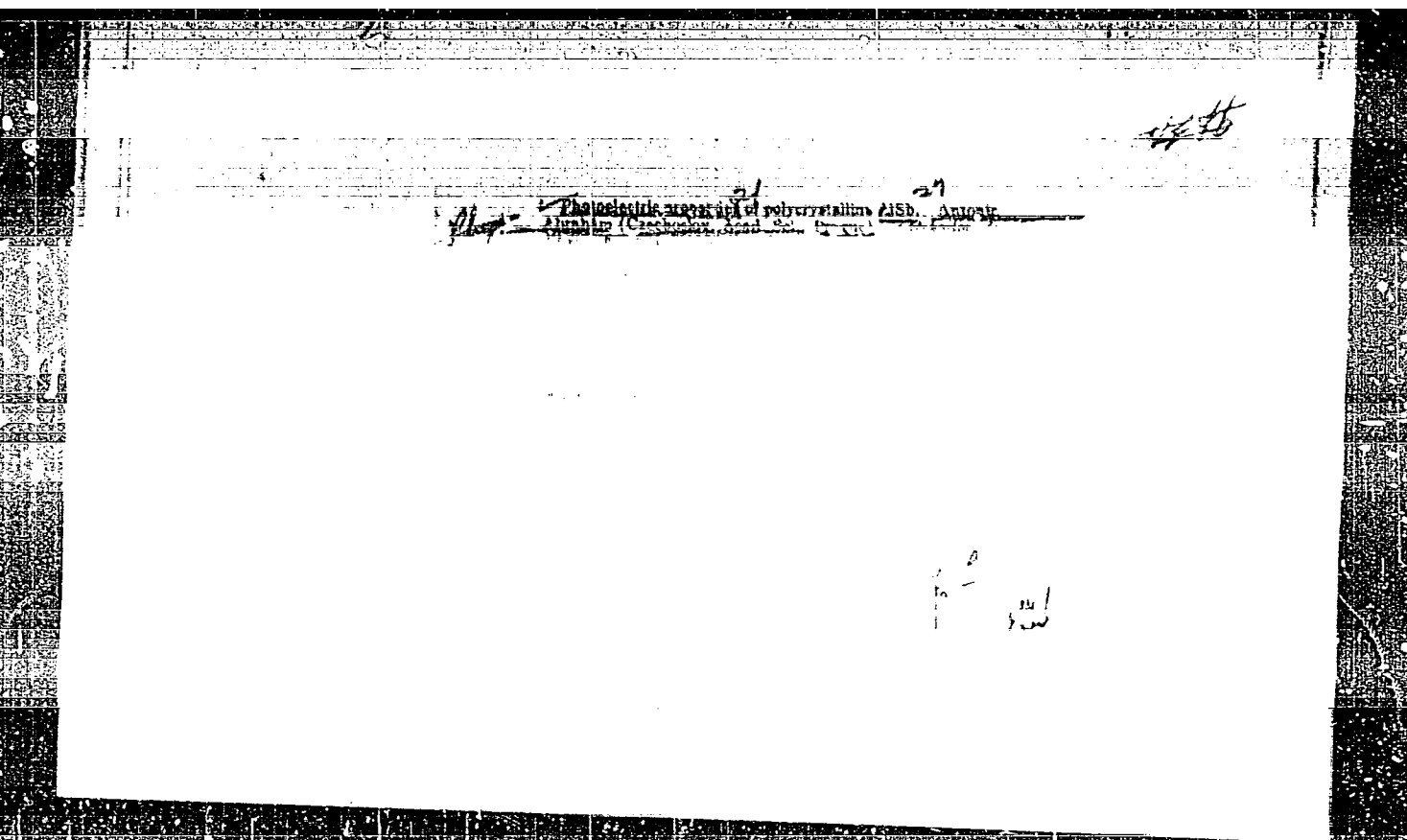
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ABRAHAM, A.

Photoelectric properties of polycrystalline AlSb. p. 595. (CESKOSLOVENSKY
CASOPIS PRO FYZIKU, Vol. 6, No. 5, Sept 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.



ABRAHAM, A.

AUTHORS: Tauc, J. and Abraham, A.
 TITLE: The Quantum Efficiency of the Internal Photoelectric Effect in Indium Antimonide (Kvantová účinnost vnitřního fotoelektrického jevu v antimonidu indiu)
 PERIODICAL: Československý časopis pro fyziku, 1959, Nr 6, Pp 653 - 657 (Czech)

ABSTRACT: The quantum efficiency η of the photoelectric effect in germanium is approximately unity for all quanta whose energy E_f lies between E_g and E_f^* . For $E_f > E_f^*$, the quantum efficiency rises above unity (Refs 1, 2) and this is explained by collisions between the fast electrons produced by the absorption of high-energy quanta and electrons in the valence band (Ref 3). Measurements on germanium are carried out by determination of the photoelectric effect on a p-n junction (Ref 4). These cannot be performed accurately in InSb and therefore the photo-electric effect is measured in InSb. The magnetic (PM) effect has been measured in InSb. The PM effect is proportional to the number of pairs of free carriers, while the photo-conductivity may be influenced by barriers, traps, etc.

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The PM effect decreases with decreasing absorption coefficient K_f according to Eq 1 (Ref 5). On the other hand, the photo-conductive signal decreases with increasing absorption coefficient according to Eq (2) (Ref 5). The measurement of both effects enables one to find K_f (Ref 6) and to eliminate its influence on the measurement of η . The monochromatic infrared illumination used for the measurements was interrupted at frequency of 85 cps. The intensity of the light was measured with a thermopile and the signal from the sample was amplified with a narrow-band amplifier and measured with a voltmeter. The sample was mounted in a cryostat in a magnetic field of 3000 - 6000 gauss. The results quoted were obtained from monocrystalline specimens with 6.4×10^{15} cm⁻³ donors and a mobility of electrons at room temperature $\mu = 4.6 \times 10^4$ cm²/V-sec.

The contacts were soldered on with indium. The samples were electrolytically etched (Ref 7). They were 0.05 to 0.2 mm thick and their resistance at room temperature was 5 to 15 Ω . Figure 1 shows the dependence of the quantum efficiency as a function of the energy of the absorbed photons measured by the PM effect at 18°C. Figure 2 shows the same quantity measured at -64°C. The crosses show the measurements of the PM effect, the circled measurements of the photo-conductivity. Both graphs are normalized so that the quantum efficiency is unity in the vicinity of the absorption edge (Ref 8). Measurements of photo-conductivity could not be made at room temperature because the signals were very small and the bolometer effect distorted the results. To eliminate a further possible error, the reflection coefficient was also studied and found to be constant over the range of wavelengths used. All the measurements showed that η remained constant up to $E_f \approx 0.47$ eV and started to rise at this wavelength. It first slowed down and η became independent of wavelength, until at a point $E_f' \approx 0.6$ eV it started rising again, though at a slower and apparently constant rate. E_f' and E_f were dependent on the sample, particularly

Card 2/5

**The Quantum Efficiency of the Internal Photoelectric Effect in
Indium Antimonide**

CZECH/37-58-6-a/30

on the structure of its surface and on the temperature, but the type of dependence was reproducible. Because the curves derived from the FEM effect practically coincide with those derived from measurements of photoconductivity, one may safely conclude that indeed it is the conductivity of holes and electrons, produced per absorbed quantum, which is shown in the figure. The energy $E_f - E_0 \approx 1.6$ eV, which is a value one would expect for ionization by collision (Refs 9, 10). The authors show a roughly estimated one-dimensional $E_f(E)$ diagram for InSb which could explain the observed behavior. Point E_f occurs when the holes acquire sufficient energy also to produce ionization.

Kendebek (Ref 11) has recently suggested that a rise of the quantum efficiency with increasing energy of the absorbed photons might help to resolve certain difficulties. The rise found by the authors is in the right direction, but not sufficiently large. There are 4 figures and 11 references, 4 of which are English, 2 Czech, 1 French, 1 German and 1 Soviet.

ASSOCIATION: Ustav technické fyziky ČAV, Praha
(Institute of Technical Physics of the Czech Ac.Ba,
Prague)

5

Antonin Abraham

The quantum efficiency of the internal photoelectric effect in indium antimonide, Jan Tauc and Antonin Abraham (Czechoslov. Acad. Sci., Prague). *Czechoslov. J. Phys.*, 10, 95-100 (1959) (in English).—A method is described for measuring the relative quantum efficiency of the internal photoelectric effect in semiconductors by simultaneously measuring the photomagnetolectric and photoconductive effects. The results of measurements on InSb are given. The quantum efficiency begins to increase if the energy of the photon exceeds 0.47 e.v. at room temp. The quantum efficiency as a function of the energy of the photon is analyzed in terms of impact ionization, and it is shown that a study of the structure of this curve can supply information on the band structure of a semiconductor in the region of high energies of electrons and holes.

A. Kromschitz

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ABRAHAM, A.; SILHAVA, M.

Temperature dependence of optical transmissivity of melted quartz
in ultraviolet spectrum. Silikaty 7 no.3:231-233 '63.

1. Ustav fysiky pevných látek, Československá akademie věd, Praha.

L 35441-65

EWA(h)/EWP(1)/EWT(m)/EEC(t)/EWP(b)/T/EWP(t)

Pz-6/Psb IJP(z)

AT/JD

ACCESSION NR: AP5006838

2/0055/65/015/002/0138/0140

AUTHOR: Abrikosov, A.

TITLE: Photoelectric effect in cadmium antimonide

SOURCE: Cherkislovatskiy fizicheskiy zhurnal, v. 15, no. 2, 1965, 138-140

TECH TAGS: cadmium antimonide, semiconductor, photoelectric effect, photoconductivity, single crystal, photovoltaic effect

ABSTRACT: The photoconductivity of CdSb was investigated. The samples, cleaved from a single crystal along the "a" axis, had a higher photoelectric sensitivity than specimens with a polished or etched surface. Fig. 1 of the Enclosure shows the dependence of the quantum efficiency of the photoconductivity effect (photoconductivity current related to one absorbed photon) on the wavelength at different temperatures. The measured dependence of the photoconductivity effect was corrected for reflection according to reference cited in Fig. 1 of the Enclosure. In the figure the maximum values measured at different temperatures have the same magnitude; in reality the photoconductivity signal measured at 455°K was the smallest. An increase in the quantum efficiency with increasing radiation energy was observed.

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L 35441-65

ACCESSION NR: AP5006888

in all the samples at shorter wavelengths and lower temperatures. The energy gap was determined using the empirical method proposed by Moss (Optical Properties of Semiconductors, Butterworths, London 1959). The temperature dependence thus found for the energy gap can be expressed in the temperature range from 130° to 300°K by the relation

$$E_g = 0.535 - 3.56 \cdot 10^{-4} T(\text{eV}),$$

which agrees with the results obtained by Zavetova for absorption measurements (Czech. J. Phys. B 11, 1964, 615). The value of the photovoltaic effect and the spectral dependence differed greatly from sample to sample. Orig. art. has: 1 figure.

ASSOCIATION: Institute of Solid State Physics, Czechosl. Acad. Sci., Prague

SUBMITTED: 06 Nov 64

ENCL: 01

SUB CODE: SS, EM

NO REF SOV: DOC

OTHER: 009

Card 2/3

L 35411-65

ACCESSION NR: AP5006843

ENCLOSURE: 01

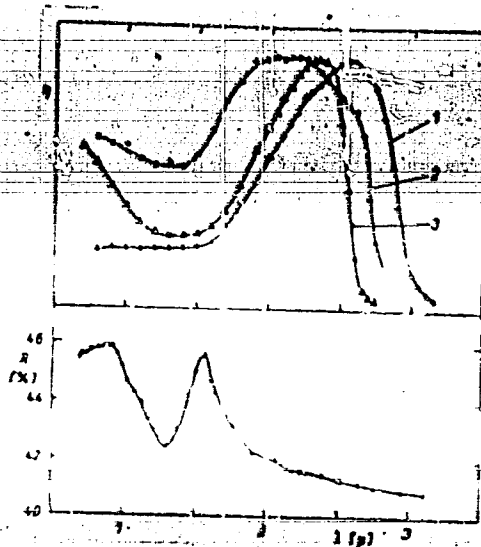


Fig. 1. Quantum efficiency η of photoconductivity effect on CsSb in arbitrary units as a function of wave-length λ of incident radiation at different temperatures.

1 - at 291°K, 2 - at 218°K, 3 - at 131°K. Curves were corrected for reflectivity. Value taken for R was $1/2(R_b + R_c)$, where R_b and R_c for radiation polarized in b and c directions are taken from A. Abraham et al. (Proc. Conf. on Phys. of Semicond., Paris 1964, p. 454).

Card 3/3

ABRAHAM, A.

Photoelectric effect in CdSb. Chekhosl fiz zhurnal 15 no.2:138-140 '65.

1. Institute of Solid State Physics of the Czechoslovak Academy of Sciences, Prague 6, Cukrovarnicka 10. Submitted November 6, 1964.

ABRAHAM, A.

MISKOLEZY, D.; CSIKY, O.; VENDEG, V.; ABRAHAM, A.; WAITSUK, P.; WAGNER, Cs.

An epidemic of virotic encephalitis (transmitted by mosquitoes) at the end of summer-autumn 1955 in Tg. Mures. Rumanian M. Rev. 1 no.1: 53-56 Jan-May 57.

(ENCEPHALITIS, EPIDEMIC, epidemiol.
in Rumania)

MAROS, Tiberiu; KELEMEN, Iosif; NAGY, Bela; ABRAHAM, Al.

Contributions to the knowledge of the mechanism of production of
nervous phenomena in hepatic insufficiency. Rev. sci. med. 6 no.3/4:
165-168 '61.

(LIVER DISEASES complications)

(NEUROLOGIC MANIFESTATIONS)

PORA, Eugen A., prof.; ABRAHAM, Alexandru; TOMA, Virgil

The amino-acid component of the extract of the thymus CIF, and the action of the said extract upon the proteic of metabolism of the diaphragm in rats. Studii biol Cluj 12 no.1:127-133 '61.

1. Universitatea "Babes-Bolyai" Cluj, Catedrele de fiziologia animalelor si biochimie. 2. Membru corespondent al Academiei R.P.R. si membru al Comitetului de redactie, "Studii si cercetari biologice" (Filiala Cluj, Academia R.P.R.) (for Pora).

PORA, Eugen, academician; ABRAHAM, Alexandru; TOMA, Virgil; SILDAN, Nina

Progesterone action on the quantity of nucleic acid in the thymus and spleen of white rats. Comunicarile AR 13 no.11: 977-980 N°63.

1. Universitatea "Babes-Bolyai" Cluj, Catedrele de fiziologia animalelor si chimia generala.

PORA. Eugen A., acad.; ABRAHAM, Alex., SILDAN, Nina

Action of the progesterone derivatives on the nucleic acids in the thymus and spleen. Studii cerc biochimie 7 no.2:155-159 '64.

1. Section of Comparative Animal Physiology, Rumanian Academy, Cluj Branch. Submitted October 10, 1963.

ABRAHAM, A.; POPA, E.A., acad.; TOMA, V.

Influence of sexual hormones on the inclusion of methionine -S³⁵
in the thymus proteins. Studii cerc biol s. zool 17 no.1:65-
69 '65.

1. Section of Animal Physiology, Center of Biological Research
of the Rumanian Academy, Cluj. Submitted June 19, 1964.

L 21318-66 EWP(t) IJP(c) JD

ACC NR: AP6003658

SOURCE CODE: CZ/0055/65/015/010/0730/0739

AUTHOR: Tauc, J.; Abraham, A.

ORG: Institute of Plasma Physics, Czechoslovak Academy of Sciences, Prague

TITLE: Optical properties and band structure of CdSb

SOURCE: Czechoslovatskiy fizicheskiy zhurnal, v. 15, no. 10, 1965, 730-739

TOPIC TAGS: cadmium compound, antimonide, photon, valence band, conduction band

ABSTRACT: In continuing the experimental studies of the structure of the absorption edge of cadmium antimonide recently carried out by M. Zavetova (Czech. J. Phys. B 14 1964, 615), the present paper deals with a detailed study of the region of direct transitions adjoining the region of indirect transitions. In the experiment the optical constants of CdSb were determined for photon energies up to 2 eV from reflectivity measurements and by using the Kramer-Kronig dispersion relation. The experimental set-up for the reflectivity measurements is described. Possible locations of the observed direct transitions are found by the application of the selection rules. It is shown how these results, together with those regarding the transport properties of CdSb, can be used to obtain information about the structure of the valence and conduction bands. [The authors thank A. Hruby for the preparation of the samples, M. Silhavy and M. Sulova for help with the measurements and computations, and V. Frei and B. Velicky for many helpful discussions.] Orig art. has: 7 figures, 1 table, and 1 formula.
Card 1/2

L 21318-66

ACC NR: AP6003658

SUB CODE: 20, 11/ SUBM DATE: 07Jun65/ ORIG REF: 008/ OTH REF: 004/
SOV REF: 002/

Card 2/2

ABRAHAM, A.

" Blood Pressure and Peripheral Nervous System," p. 307.
(Acta Biologica Academiae Scientiarum Hungaricae, Vol.4, No.3/4, 1953, Budapest.)

SO: Monthly List of ^{East European} ~~Byzantine~~ ^{Vol.2, No.9} Accessions, Library of Congress, September 1953, Uncl.

ABRAHAM, A, AND OTHERS.

Data on hydrobiologic conditions in Banvolgy. p. 327. Vol. 2, 1952. (published in 1954. A MAGYAR TUDOMÁNYEGYETEMEK BIOLOGIAI INTÉZETEINEK ÉVKÖNYVE. SZEGEDI RÉSZ. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956

ABRAHAM, A.; STANCER, A.

Pressor receptors in the wall of the swimming bladder. In German. p. 345. Vol 2, 1952. (published in 1954) A MAGYAR TUDOMÁNYEGYETEMEK BIOLÓGIAI INTÉZETÉNEK ÉVKÖNYVE. SZEGEDI RESZ. Budapest, Hungary.

So: Eastern European Accession. Vol 5, No. 4, April 1956

SZOLLOSY, E.; ABRAHAM, A.; ALFOLDI, L.

Isolation of influenza virus in connection with the epidemic in Szeged during the year 1952. Acta microb. hung. 1 no.1-3:111-114 1954.

1. Institute for Microbiology of the Medical University, Szeged; received July 21, 1953.

(INFLUENZA, epidemiol.

*Hungary, virus isolation)

(INFLUENZA VIRUSES

*isolation during epidemic in Hungary)

ABRAHAM, A.; SIN, L.

~~Microscopic innervation of fixed vascular grafts.~~
Microscopic innervation of fixed vascular grafts. Acta morph.hung.
5 no.1-2:103-112 1955.

1. Institute of General Zoology and Biology of the University,
Szeged (Director: Prof. A. Abraham) and Ist Department of Surgery
of the Medical University, Szeged (Director: Prof. Gy. Jaki).

(AORTA, innervation,

microscopic innervation of fixed grafts)

(TRANSPLANTATION,

aorta, microscopic innervation of fixed grafts)

ABRAHAM, A.

The problem in the histology of the vegetative nervous system. In German.
p. 111.

(ACTA BIOLOGICA. Vol. 2, no. 1/4, Dec. 1956, Hungary)

SO: Monthly List of East European Accessions (MEAL) LC. Vol. 6, no. 12, Dec. 1957.
Encl.

ABRAHAM, A., and others

Hydrobiologic and faunal studies in the southwestern part of the Bukk Mountains.
In German. p. 137.

(ACTA BIOLOGICA. Vol. 2, no. 1/4, Dec. 1956, Hungary)

SO: Monthly List of East European Accessions (MEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

EXCERPTA MEDICA Sec 18 Vol 3/7 Cardio. Dis. July 59

1566. The structure of cardiac ganglia ABRAHAM A. Inst. of Zool. and Biol., Univ. of Szeged *Acta biol. Acad. scient. hung. (Budapest)* 1957, suppl. 1 (11-12)

The author investigated the cardiac ganglia in different vertebrates and human subjects with the methods of Bielschowsky-Gross and Bielschowsky-Abraham. He states they constitute an essential part of the intracardiac nervous system. They vary in position, number, and size, but in respect of structure are largely the same. The differences are the following: in fish the cardiac ganglia are really plexuses of loose texture, without any individual ganglia in them. In amphibians, sauropsida and mammals they are agglomerations of nerve cells in well-defined connective tissue capsules. In the lower groups the nerve cells are for the greater part unipolar, in amniota and mammals they are multipolar, but unipolar and bipolar forms also occur. The cholinesterase activity and other histochemical studies of the cardiac ganglia are also described.

(I, 18)

ABRAHAM, Ambrus, dr., akademikus

Analyzers. Elovilag 2 no.413-10 O-D '57.

ABRAHAM, A.; STAMET, A.

"Microscopic innervation of a bird's heart." In German. p. 247.

ACTA UNIVERSITATIS SZEGEDIENSIS. FARS BIOLOGICA SCIENTIARUM NATURALIUM.
ACTA BIOLOGICA. Szeged, Hungary, Vol. 3, No. 3/4, 1957.

Monthly list of East European Accessions (FEAI), LC, Vol. 8, No. 8, August
1959.
Uncla.

ABRAHAM, A.; FIDELI, I.

"On the structure and the innervation of the conducting system of the heart of mammals." In German. p. 275.

ACTA UNIVERSITATIS SZEGEDIENSIS. PARS BIOLOGICA SCIENTIARUM NATURALIUM.
ACTA BIOLOGICA. Szeged, Hungary, Vol. 3, No. 3/4, 1957.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

MAROS, T., Conf.; URIAN, Letitia, dr.; KEMENY, B., dr.; LUKACSY, I., dr.;
ABRAHAM, A., chimist.

Changes in dysproteinemia tests in certain mental and
neurological disorders. Med. int., Bucur. 9 no.2:210-219
Feb 57.

1. Lucrare efectuata la Catedra de anatomie-embriologie si
medicina operatoare a I.M.F. din Tg. Mures (conducator, conf.
T. Maros) a Sectiei de boli nervoase a Spitalului unificat din
Tirnaveni (conducatoare, dr. Letitia Urian) si a Catedrei de
chimie biologica a I.M.F. din Tg. Mures (conducator, conf.
A. Kovacs).

(LIVER FUNCTION TESTS, in various diseases
cadmium reaction, thymol, Takata-Ara & Weltmann tests
in ment. & neurol. dis.)

(MENTAL DISORDERS, physiology
liver funct. tests)

(BLOOD PROTEINS, in various diseases
ment. & neurol. disord., causing changes in
dysproteinemia tests)

ABRAHAM, A.

Microscopic innervation of the kidney of the puszt lizard (Varanus griseus Daud). p. 265.

A MAGYAR TUDOMÁNYOS AKADEMIA V. OSZTÁLYA BIOLÓGIAI CSOPORTJÁNAK KÖZLEMÉNYEI.
Budapest, Hungary. Vol. 2, No. ~~X~~, 1958.

Monthly List of East European Accessions (EEAJ). LC., Vol. 9, No. 1, Jan. 1960
Uncl.

ABRAHAM, A.; MINNER, F.

Innervation of the intestinal canal of the medical leech (*Hirudo med. L.*).
p. 139.

A MAGYAR TUDOMÁNYOS AKADÉMIA V. OSZTÁLYA BIOLÓGIAI CSOPORTJÁNAK KÖZLEMÉNYEI.
Budapest, Hungary, Vol. 2, no. 2, 1958.

Monthly List of East European Accession (EEAI), LC. Vol. 9, no. 2, Feb. 1960

Uncl.

ABRAHAM, A.

Morphologic bases for afferent conditions in the kidneys of mammals. p. 27.

A MAGYAR TUDOMANYOS AKADEMIA V. OSZTALYA BIOLOGIAI CSOPORTJANAK KOZLEMENYEI.
Budapest, Hungary. Vol. 2, no. 3, 1958.

Monthly List of East European Accessions (EEAI). LC, Vol. 9, No. 1, Jan. 1960
Uncl.

EXCERPTA MEDICA Sec 4 Vol 12/8 Med. Micro. Aug 59

2473. ISOLATION OF COXSACKIE VIRUS IN POLIOMYELITIS CASES - Cox-
sackie virus izolátása poliomyelitises betegekben - Abraham E. and
Lőrincz P. Marosvásárhelyi Víruskutató Lab. és Fertőzőbetegségek
Klin. Közl. - ORV. SZLE 1958, 4/3-4 (214-219) Tables 2
Coxsackie type A virus was isolated from faeces and CSF of 28 cases diagnosed as
poliomyelitis, and the relationship between virus and disease was confirmed by
neutralization tests with the patient's serum. Crossed neutralization tests gave
negative results. (L, 4, 2)

ABRAHAM, A.

Problems of Hungarian biology; an opening address delivered at Szeged on
May 19, 1958. p. 453.

A MAGYAR TUDOMANYOS AKADEMIA 7. OKTALAY BIOLOGIAI CSOPORTJANAK ESEMENEI.
Budapest, Hungary. Vol. 2, no. 4, 1959

Monthly List of East European Accessions (E.A.L.). IC. Vol. 4, no. 1, Jan 1960
Uncl.

ABRAHAM, A.

An account of the 15th International Congress of Zoology held in London. p.463.

A MAGYAR TUDOMÁNYOS AKADÉMIA V. ORSZÁGI EGYESÜLETI TUDOMÁNYOS FOLYÓIRATA.
Budapest, Hungary. Vol. 2, no. 4, 1953

MONTHLY List of East European Accessions (EEAI). IC. Vol. 9, no. 1, Jan 1960
Uncl.

VENDEO, V.; UJVANY, E.; ABRAHAM, A.

Diseases of vegetal origin; observations & investigations on the virus
reservoir. Rumanian M. Rev.] no.1:11-13 Jan-Mar 59.

(VIRUS DISEASES, trans.

plant viruses pathogenic for man & animals)

ABRAHAM, Anbrus, akadémikus

Data on the knowledge of the structure of the retina with consideration
for the cortex of neurons and the central connections. Biol. (rev. korsz.)
MTA 11 no.2/3:211-258 '60. (KEL 10:5)

1. Magyar Tudományos Akadémia; A Szegedi Tudományegyetem Általános
és Biológiai Intézete.
(RETINA)
(NERVES)

ABRAHAM, Ambrus, dr.; STAMMER, Aranka, dr.; FOLDES, Istvan, dr.; LEVENDÉL,
László, dr.

Neurohistological studies on the extra-genital organs and the skin
of tuberculin-treated tuberculous guinea pigs. Tuberkulózis 11
no.9:257-258 S '60.

1. A Szegedi Tudományegyetem Általános Állattani és Biológiai
Intézet (ig.: Abraham Ambrus dr. akadémikus) és az Országos
Koranyi TBC Intézet (ig.: Bossorcsenyi Miklós dr. kandidatus,
tudományon igazgató: Földes István dr. kandidatus) közleménye
(TUBERCULOSIS exper.)
(TUBERCULIN REACTION exper.)
(NERVOUS SYSTEM pathol.)

LEVENDI, László, dr.; ABRAHAM, András, dr.; FÜLÖP, István, dr.;
VIRKENDI, László, dr.; KÖRVECHY, Endre

Comparative neurohistological and radioautographical examinations
on allergic reactions caused by radiolodine-labeled tuberculin.
Tuberkulózis 1] no.9:259-261 S '60.

1. Az Oszkós Koranyi T. Interet (ig.: Bezerényi Mihály dr.
kandidatus, tudományos ig.: Földes István dr. kandidatus),
a szegedi Tudományegyetem Általános Allatani és Biológiai Intézete
(ig.: Abraham András dr. és doktora, egyetemi tanár) és az
Onkopathológiai Kutató Intézet (ig.: Kollner Béla dr. kandidatus)
közleménye
(TUBERCULIN REACTION exper.)
(NERVOUS SYSTEM pathol.)

ABRAHAM, Andrus

In commemoration of Otto Herman on the 125th anniversary of his
birth. Mol koi 8 no.2:111-112 '60.

PORA, Eugen A.; SCHWARTZ, A. (deceased); MADAR, I.; GHINGOIASU, M.; RIS, Z.;
PELSZEGHY, F.; ABRAHAM, A.; IDVACS, V.

Action of insulin and vitamin B₂ on the metabolic processes of the
isolated diaphragm of rat. Studii cerc b ol ania 12 no.3:381-393 '61.

1. Catedrele de fiziologie animala si biochimie de la Universitatea
'Babes-Bolyai', Cluj. 2. Membru corespondent al Academiei R.P.R. (for
Pora).

WILSON, J. E. & WILSON, A.

Comparative study of some paper chromatographic methods
in the quantitative determination of some amino acids
B-D C. Chem. 7 no. 11, 1968, 162.

ABRAHAM, Ambrus, egyetemi tanár

The 3d itinerant meeting of the Hungarian Biological Society.
Biol közl 7 no.1/2:127-129 '59.

1. Magyar Biológiai Társaság országos elnöke.

LASZLO, I.; PETER, M.; FILKP, V.; ARPAJAN, A.; BALINT, A.; DOBOS, L.;
KASZA, L.; PAAL, Gyorgyi; NEDO, A.

Experimental investigations of epidemic hepatitis. Attempts to isolate
the virus. Stud. cercet. inframicrobiol. 13 no.3:311-318 '62.
(HEPATITIS, INFECTIONS) (TISSUE CULTURE)
(VIRUS CULTIVATION) (HEPATITIS VIRUSES)

HUNGARIAN.

A. RAJAI, A., of the Institute of General Zoology and Physiology of the University of Siegel (Original version not given).

"The structure of the Intracardiac Nervous System."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Supplement to Vol. 22, 1970 (Abstracts of Lectures held at the Meeting of the Hungarian Physiological Society, Budapest, 1969-1970), p. 3.

Abstract (Author's English summary, modified): In every one of the three layers of the wall of the heart receptors of various shapes occur, belonging mainly to the vagal sensory system. The number of receptors is particularly high in the atrial epicardium. The receptors in the myocardium are similar to muscle spindles and are located in the area of the atrial septum. Most of the ganglia occur in the area of the atrial epicardium. The cardiac vessels are rich in efferent fibers. The receptors of the coronary artery are thick myelinated fibers terminating in buttons lying close to the inner part of the arteritis. The receptors of the coronary veins are dendritic ramifications extending over a large surface, and terminating with fine fibrils in extensive neuro-fibrillar lamellae.

1/1

ABRAHAM, Anbrus, Akademikus

Microscopic innervation of the coronary arteries of the heart. Biol osv keel MTA 14 no.1:9-14 '61.

1. Szegedi Tüdományegyetem Általános Állattani és Biológiai Intézete.

VASASS, E.; ADAM, R.; BARNES, M.; ABRAHAM, A.

Considerations on the cytological diagnosis of chronic
pemphigus. *British Journal of Dermatology*, 1974, 92, 1-10.

FELSZECHY, E.; CHIRICUTA, I.; ABRAHAM, A.; PASILIAN, C.

Influence of burns on the amino acid metabolism in rats. Pt. I.
Studia Univ B-B S Chem 8 no.1:367-390 1961

1. "Babe-Bolyai" University, Cluj, and the Oncologic Institute,
Cluj.

LEIGHT, E.; ARHAM, A.; MIPAT, S.

On the reaction of glutathione with phenyl isothiocyanate.
Stella Univ (B-B S. Chem) 1964, 1(1):1-10.

ACC NR. APY00837

DATE CODE: 81/0003/66/011/017/041/146

AUTHOR: Sabau, Monica-Sabau, M. (Doctor); Dumitrescu, L.; Ianculescu, L. (Doctor);
Abramov, A.; Abramov, A. (Doctor); Nagy, L.; Nal, L. (Doctor)

ORG: ITP. Tirma Mures

TITLE: Etiological role of atypical Esch. coli (of hemolytic type) in pediatric
enterocolitis [This paper was presented at a meeting at Section of Infectious
Pathology, U.S.S.R., Mures-Autonoma Branch, Hungary, on 8 October 1964.]

SOURCE: Microbiologia, parazitologia si epidemiologia, v. 11, no. 1, 1966, 41-46
 TOPIC TAGS: pediatrics, gastroenterology, blood chemistry, bacteria

ABSTRACT: In a study of enterocolitis in children, hemolyzing strains of Esch. coli
were isolated in 31.04 percent of 260 cases. A relatively larger amount of hemolysis
was produced in young cultures. The authors suggest that the hemolysin isolated
from supernatant cultures in alkaline broth is of type A and probably a protein.
The hemolysin was found to be thermolabile. Orig. art. has: 3 tables. [Based on
authors' Eng. abst.] [JPRS: 35,814]

SUB CODE: 06 / SUM DATE: 26Oct64 / ORIG REF: 007 / SOV REF: 002
 OTH REF: 010

Cord 1/1

UDC: 616.348-002-02:576.851.48

ABRAHAM, Antonin

Method of reflectivity measurement. Cs cas fys 14 no. 1124-16
164.

1. Ustav fyziky pevnych latek, Ceskoslovenska akademie ved,
Praha.

ABRAM, A., inzh.

Using choline chloride in mixed feeds and mineral-vitamin mixtures. Muk.-elev. pron. 29 no.7:12 J1 '61, (MIRA 17:1)

1. Rishskiy kombikormovyy zavod.

ABRAHAM, ABRAHAM

Some problems of institutional care. Tuberculosis 10 no. 4:74-78
Mar-Apr 57.

1. A debreceni Orvostudományi Egyetem Tbc. k. (Lektor: Pongor Ferenc dr.) 1. belosztályának közleménye.

(TUBERCULOSIS, PULMONARY, ther.

institutional care in Hungary, clinical problems (Hung.)

ABRAHAM ENZSEBET, Dr.

Hemoptysis in non-tuberculous pulmonary diseases. Tuberkulosis 12
no.7:156-158 July 59

1. A Debreceni Orvostudományi Egyetem TBC. Klinikája (ab. igazgató:
Pongor Ferenc dr.) 1. belosztályának közleménye.
(HEMOPTYSIS, etiol)

EXCERPTA MEDICA Sec.4 Vol.9/8 Microbiology Aug 55

2420. ABRAHAM E., KOCH A. and IVANOVICS G. Inst. of Microbiol., Univ. med. Sch., Szeged. *On the cyclic multiplication of the Ajazsky's disease virus. ACTA MICROBIOL. ACAD. SCIENT. HUNG. (Budapest) 1954, 1/4 (423-436) Graphs 3 Tables 4

On the basis of previous investigations into the cultivation of the virus of Ajazsky's disease on chicken embryonic tissue, and of the fact that multiplication of the virus may be determined by means of cytopathogenic units (personal observations), the virus was cultivated on chicken chorio-allantoic membrane. When the membranes were cut in only 3-4 parts (each part weighing 200 mg.) and washed after infection, the culture series showed that the culture initially contains only a small quantity of virus, and even this disappears after 10 hours' incubation. Virus multiplication is appreciable, however, after 14-16 hr. Rapid multiplication is seen after 22 hr. and culminates after 28 hr., whereupon it rapidly decreases to culminate again after the same interval, i.e. after another 28 hr. This cyclic phenomenon was seen in nearly all of the 13 experimental series. After a number of these cycles, the virus disappears almost completely; this is attributed to dissociation. Between the 11nd and

527

2420 CONT 1

IIIrd, and between the IIIrd and IVth cyclic wave every 28 hr. an intermediary stage of less marked multiplication was seen. Completely crushed membrane, washed after infection, showed a similar cyclic type of virus multiplication. The cycles were not demonstrable in a tissue culture of unwashed chorio-allantoic membrane and in a tissue culture of a 13-day-old embryo. Methods are described in detail.

Nikolich - Novi Sad

ABRAHAM, E.

BUNG.

The antibacterial spectrum of Megalox. G. L. Brown, L. Alford, and R. Abraham (Lancet, London, 1960, 1, 1010).
 Brown, G. L., Alford, L., and Abraham, R. (1960). The antibacterial spectrum of Megalox, a primitive antibacterial principle obtained by culture of certain strains of *Flavobacterium*, when these are grown in the presence of ultraviolet irradiation, was tested in vitro. Several strains of aerobic non-fermenting bacteria in addition to *B. megaterium* are susceptible. Megalox has a marked effect on several Gram-negative cocci which frequently occur in the air.
 John F. Meyer

A. RIMAI, E.; RIVANY, M.; PINT R, M.

Studies on the occurrence of poliomyelitis virused in Hungary. In English.
p. 399. Vol. 3, No. 4. 1956. AGTA MICROBICA. Budapest, Hungary.

SOURCE: East European Accessions List, (EAL) Library of Congress Vol.
No. 1 January 1956

ABRAHAM E.; FINTER, M.

Growth of MS virus in human embryonic tissue. In English. p. 405 Vol. 3
No. 4 1956. ACTA MICROBICA. Budapest, Hungary

SOURCE: East European List, (EEAL) Library of Congress Vol. 3 No. 1
January 1956

PINTER, Miklos, dr.; ABRAM, Endre, dr.; RAVNAY, Marta, dr.
~~Magyarorszag~~

Isolation experiments and serological studies with poliomyelitis virus in tissue culture. Orv. hetil. 97 no.15:393-397 8 Apr 56.

1. A Szegedi Orvostudományi Egyetem Mikrobiológiai Intézetének (igazgató: Ivanovics, György dr. egyec. tanár) közleménye.

(POLIOMYELITIS VIRUS, culture

isolation & type determ. in human embryonal tissue culture. (Hun))

(POLIOMYELITIS

antigen determ. in normal blood serum. (Hun))

(ANTIGENS AND ANTIBODIES

polio. antigens, determ. in normal blood serum. (Hun))

(TISSUE CULTURE

cultivation of polio. virus in human embryonal tissue culture. (Hun))